National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 10th June 2021

To,

1. कार्यकारी निदेशक, पू.क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
   Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
   Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जून-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 09th June 2021, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day **Date of Reporting:** **10-Jun-2021**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	59240	46579	37295	22228	2873	168215
Peak Shortage (MW)	540	0	0	0	15	555
Energy Met (MU)	1397	1134	899	454	52	3935
Hydro Gen (MU)	319	50	62	100	31	563
Wind Gen (MU)	63	153	200	-	-	415
Solar Gen (MU)*	51.12	34.76	87.67	4.88	0.18	179
Energy Shortage (MU)	4.31	0.00	0.00	0.00	0.04	4.35
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	64704	48604	40283	22818	3069	174093
Time Of Maximum Demand Met (From NLDC SCADA)	22:08	15:16	14:58	23:05	19:35	22:54

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.034	0.00	0.25	4.85	5.10	74.78	20.11

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	9756	0	219.5	130.3	-1.5	100	0.00
	Haryana	9308	0	197.4	138.3	-0.1	258	0.55
	Rajasthan	12000	0	267.6	93.1	2.5	516	0.00
	Delhi	6270	0	122.8	108.2	0.2	267	0.08
	UP	23062	0	456.0	207.8	0.4	611	0.23
	Uttarakhand	2104	0	46.5	19.2	0.3	134	0.00
	HP	1520	0	32.8	0.5	1.4	223	0.00
	J&K(UT) & Ladakh(UT)	2335	250	47.2	23.7	-0.9	170	3.45
	Chandigarh	361	0	6.8	6.7	0.2	54	0.00
WR	Chhattisgarh	3539	0	84.5	34.9	-1.2	294	0.00
	Gujarat	17137	0	364.8	125.9	3.4	1026	0.00
	MP	8957	0	200.0	115.5	-2.1	552	0.00
	Maharashtra	19655	0	431.9	147.2	-0.7	624	0.00
	Goa	508	0	11.0	9.0	1.5	41	0.00
	DD	313	0	7.1	6.8	0.3	33	0.00
	DNH	762	0	17.7	17.7	0.0	39	0.00
	AMNSIL	785	0	17.3	0.8	0.2	292	0.00
SR	Andhra Pradesh	9307	0	187.5	60.5	0.4	978	0.00
	Telangana	7054	0	153.3	78.8	-0.5	532	0.00
	Karnataka	9143	0	177.2	54.6	1.9	870	0.00
	Kerala	3353	0	69.7	46.7	-0.1	233	0.00
	Tamil Nadu	13533	0	303.3	131.5	-1.7	506	0.00
	Puducherry	379	0	7.6	7.9	-0.3	39	0.00
ER	Bihar	5985	0	103.9	98.9	-3.2	518	0.00
	DVC	3095	0	66.5	-45.5	0.2	265	0.00
	Jharkhand	1470	0	26.9	25.2	-3.3	122	0.00
	Odisha	5248	0	104.3	45.8	-1.1	472	0.00
	West Bengal	8144	0	150.8	34.0	0.8	768	0.00
	Sikkim	86	0	1.3	0.9	0.5	57	0.00
NER	Arunachal Pradesh	132	0	2.3	2.1	0.0	30	0.01
	Assam	1819	2	32.0	24.7	1.1	155	0.00
	Manipur	202	0	2.6	2.6	0.0	29	0.01
	Meghalaya	310	0	5.5	1.5	0.2	75	0.00
	Mizoram	106	0	1.7	1.7	0.0	15	0.01
	Nagaland	132	0	2.5	2.5	0.0	13	0.01
	Tripura	279	1	4.9	3.9	0.1	44	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.3	-6.9	-25.5
Day Peak (MW)	1466.0	-406.4	-1095.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	338.6	-254.5	43.3	-118.0	-9.4	0.0
Actual(MU)	336.7	-250.6	42.9	-124.4	-8.3	-3.7
O/D/U/D(MU)	-2.0	4.0	-0.4	-6.3	1.0	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5406	19743	8872	200	772	34993	42
State Sector	10958	19923	12758	3787	11	47437	58
Total	16364	39666	21630	3987	783	82430	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	545	1078	368	512	11	2515	62
Lignite	25	10	50	0	0	85	2
Hydro	319	50	62	101	31	563	14
Nuclear	25	33	66	0	0	124	3
Gas, Naptha & Diesel	34	37	13	0	23	107	3
RES (Wind, Solar, Biomass & Others)	132	188	307	5	0	632	16
Total	1080	1396	866	617	65	4025	100

Share of RES in total generation (%)	12.18	13.47	35.52	0.78	0.28	15.71
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.05	19.43	50.29	17.06	47.01	32.76

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.081

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

***Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.**

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 10-Jun-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	800	0.0	19.7	-19.7
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	687	0.0	11.3	-11.3
4	765 kV	SASARAM-FATEHPUR	1	54	293	0.0	2.4	-2.4
5	765 kV	GAYA-BALIA	1	0	612	0.0	10.7	-10.7
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	114	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	770	0.0	11.7	-11.7
9	400 kV	PATNA-BALIA	4	0	1296	0.0	22.8	-22.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	446	0.0	7.9	-7.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	460	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	296	0.0	4.3	-4.3
13	220 kV	PUSAULI-SAHUPURI	1	24	131	0.0	1.5	-1.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	111.0	-110.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1005	0	12.3	0.0	12.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1099	315	12.9	0.0	12.9
3	765 kV	JHARSUGUDA-DURG	2	166	131	0.5	0.0	0.5
4	400 kV	JHARSUGUDA-RAIGARH	4	280	148	1.5	0.0	1.5
5	400 kV	RANCHI-SIPAT	2	362	63	4.3	0.0	4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	65	121	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	188	0	2.1	0.0	2.1
					ER-WR	33.7	1.5	32.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	4.9	-4.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.5	-39.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2591	0.0	45.3	-45.3
4	400 kV	TALCHER-I/C	2	208	622	1.7	0.0	1.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	89.8	-89.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	111	364	0.4	1.9	-1.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	285	435	0.0	0.1	-0.1
3	220 kV	ALIPURDUAR-SALAKATI	2	10	121	0.0	1.0	-1.0
					ER-NER	0.4	2.9	-2.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3537	0.0	67.8	-67.8
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1460	0.0	33.5	-33.5
4	765 kV	GWALIOR-AGRA	2	0	2661	0.0	48.1	-48.1
5	765 kV	PHAGI-GWALIOR	2	0	1778	0.0	33.8	-33.8
6	765 kV	JABALPUR-ORAI	2	836	1049	0.0	36.4	-36.4
7	765 kV	GWALIOR-ORAI	1	661	0	11.9	0.0	11.9
8	765 kV	SATNA-ORAI	1	0	1507	0.0	31.8	-31.8
9	765 kV	CHITORGARH-BANASKANTHA	2	933	212	4.2	0.0	4.2
10	400 kV	ZERDA-KANKROLI	1	262	0	3.2	0.0	3.2
11	400 kV	ZERDA -BHINMAL	1	499	0	8.9	0.0	8.9
12	400 kV	VINDHYACHAL -RIHAND	1	481	0	11.0	0.0	11.0
13	400 kV	RAPP-SHUJALPUR	2	0	570	0.0	7.6	-7.6
14	220 kV	BHANPURA-RANPUR	1	0	120	0.0	2.0	-2.0
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16	220 kV	MEHGAON-AURAIYA	1	112	0	0.3	0.1	0.2
17	220 kV	MALANPUR-AURAIYA	1	64	24	1.1	0.0	1.1
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	40.7	262.4	-221.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	317	0	7.4	0.0	7.4
2	HVDC	RAIGARH-PUGALUR	2	576	302	0.0	3.7	-3.7
3	765 kV	SOLAPUR-RAICHUR	2	1835	692	9.9	0.0	9.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2056	0.0	26.9	-26.9
5	400 kV	KOLHAPUR-KUDGI	2	1148	0	15.2	0.0	15.2
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	84	1.5	0.0	1.5
					WR-SR	34.0	30.6	3.4

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	588	574	579	13.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	613	516	516	12.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	190	157	162	3.9
	NER	132KV-GEYLEGPHU - SALAKATI	24	4	-15	-0.4
	NER	132kV Motanga-Rangia	51	8	-32	-0.8
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-77	0	-58	-1.4
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-288	-109	-221	-5.3
	ER	132KV-BIHAR - NEPAL	-41	0	-10	-0.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-940	-930	-933	-22.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-77	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-78	0	-65	-1.6